

FORM PTO-1390 (REV. 9-2001)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER COL 207	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/009327	
INTERNATIONAL APPLICATION NO. PCT/BE00/00059		INTERNATIONAL FILING DATE 3 JUNE 2000		PRIORITY DATE CLAIMED 4 JUNE 1999	
TITLE OF INVENTION IMPROVEMENTS TO A CUTTING ATTACHEMENT					
APPLICANT(S) FOR DO/EO/US ANDRÉ COLENS					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</p> <p>18. <input checked="" type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: (X) COPY OF INT. PRELIMINARY EXAMINATION REPORT</p>					

J007 Rec'd PCT/PTO 04 DEC 2001

U.S. APPLICATION NO. (37 CFR 1.53)

10/009327

INTERNATIONAL APPLICATION NO.

PCT/BE00/00059

ATTORNEY'S DOCKET NUMBER

COL 207

21. ☒ The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):**

Neither international preliminary examination fee (37 CFR 1.482)
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
and International Search Report not prepared by the EPO or JPO. \$1040.00

International preliminary examination fee (37 CFR 1.482) not paid to
USPTO but International Search Report prepared by the EPO or JPO \$890.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$740.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO
but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO
and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

CALCULATIONS PTO USE ONLY

\$ 890.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(e)).

\$

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims	11 - 20 =		x \$18.00	\$
Independent claims	1 - 3 =		x \$84.00	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$280.00	\$

TOTAL OF ABOVE CALCULATIONS =

\$ 390.00

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above
are reduced by 1/2.

+

\$ 445.00

SUBTOTAL =

\$ 445.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(f)).

\$

TOTAL NATIONAL FEE =

\$ 445.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

\$

TOTAL FEES ENCLOSED =

\$ 445.00

Amount to be
refunded: \$

charged: \$

- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 110224. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card
information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR
1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Horst M. Kasper
13 Forest Drive
Warren, N.J. 07059

SIGNATURE

HORST M. KASPER

NAME

28,559

REGISTRATION NUMBER

10/009327

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: André Colens

Serial No:

Art Unit:

Filing Date:

Title: IMPROVEMENTS TO A CUTTING ATTACHEMENT

PCT No.: PCT/BE00/00059 Filing Date: 3 June 2000

Priority: Country: Belgium No.: 9900397 Filing Date: 4 June 1999

December 4, 2001

Attorney's Docket No.: COL207

**REQUEST TO ACCEPT PATENT APPLICATION FOR ENTERING
UNITED STATES NATIONAL PHASE UNDER 35 USC §371**

Hon. Commissioner of Patents and Trademarks

Box PCT

Washington, D.C. 20231

SIR:

A patent application related to the above identified application was filed on 3 June 2000 under the PCT Treaty under the docket number PCT/BE00/00059.

An English translation of the originally filed PCT application PCT/BE00/00059 is enclosed with this filing.

It is respectfully requested that the present application be treated as an application filed under the Section 35 U.S.C. § 371 for transferring a PCT application PCT/BE00/00059, naming the United States, into the national phase and that the present application be granted any and all benefits and in particular those benefits relating to a priority recognition of prior filings under jurisdiction of treaty members and available under the Patent Cooperation Treaty (Washington Treaty), the Paris Convention Treaty, and under the United States Code based on the filing under the Patent Cooperation Treaty of PCT application PCT/BE00/00059.

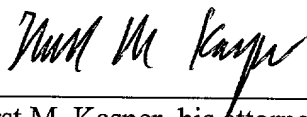
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If there should be any problems in granting the benefits available under the Patent Cooperation Treaty and/or 35 USC §371 based on such items as incompleteness of application, excessive time delays or defective application papers, then it is alternatively respectfully requested that prior to the expiration through abandonment of a filing under 35 USC §371 and under charging the required fees from deposit account, the present application be treated as an application and/or continuation application filed at a time required under any one of the sections 35 U.S.C. §111, 35 U.S.C. §363, and/or 35 U.S.C. §365(c) as applicable and that the present application be treated as a continuation or continuation-in-part application of the PCT application PCT/BE00/00059.

Recognition of PCT national phase status or, respectively, continuation or continuation-in-part status under the PCT Treaty and/or of the claimed priority date of 4th June 1999 is respectfully requested for the patent application documents in the above captioned matter.

Respectfully submitted,

André Colens

By:



Horst M. Kasper, his attorney,
13 Forest Drive, Warren, N.J. 07059
Tel.:(908)526-1717 Fax:(908)526-6977
Reg. No. 28,559; Docket No.: COL207

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10/009327

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: André Colens
Serial No: Art Unit:
Filing Date:
Title: IMPROVEMENTS TO A CUTTING ATTACHEMENT

PCT No.: PCT/BE00/00059 Filing Date: 3 June 2000
Priority: Country: Belgium No.: 9900397 Filing Date: 4 June 1999

December 4, 2001 . Attorney's Docket No.: Col207

CLAIM OF PRIORITY

Hon. Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Sir:

Pursuant to Title 35, United States Code, Section 119 (1952), the undersigned hereby claims the benefit of the filing date of a prior foreign patent application forming a basis of the PCT application viz.:

Country: Belgium
Application No.: 9900397
Date of Filing: 4 June 1999

In support of this claim, a certified copy of the aforementioned foreign patent application is believed to have been submitted by the World Intellectual Property

10/009327

Organization and should have been received by the United States Patent and Trademark Office prior to the expiration of 20 months from the first priority date of the application.

Respectfully submitted,

André Colens

By:



Horst M. Kasper, his attorney,
13 Forest Drive, Warren, N.J. 07059
Tel.: (908) 757-2839 Fax: (908) 668-5262
Reg. No. 28559; Docket No.: COL207

*%ptn:pctnat:2(COL207PC(December 4, 2001(tm

Filing Date: 4 June 1999

Attorney's Docket No.: COL207

page 1

IN THE CLAIMS:

Please **delete** claims 1 through 11 as filed with the international application PCT/BE00/00059 on June 3, 2000 without prejudice to their reintroduction at a later point in time.

Please **introduce** the following new claims:

12. A cutting attachment for a mowing machine, particularly for a lawn mower, linked to the chassis of said machine, comprising a motor whereof the driving shaft is linked to a cutter disk perpendicular to said shaft and provided at its periphery with at least one blade, and a bottom plate substantially parallel to, and located beneath the cutter disk, wherein the periphery of the bottom plate has substantially coplanar extensions, extending radially beyond the zone reachable by the blades and wherein the circular plate has a size, excluding the extensions, which is substantially equal to or smaller than the size of the cutter disk excluding the blades.

13. A cutting attachment as claimed in claim 12 wherein the bottom plate is mounted freely on the pin of the cutter disk via a roller bearing or the like.

14. A cutting attachment as claimed in claim 12 wherein the extensions are provided in the form of prongs having a rounded profile made of hollows and tips.

15. A cutting attachment as claimed in claim 14, wherein the distance between two tips or ends of adjacent extensions ranges from 2 cm to 5 cm.

16. A cutting attachment as claimed in claim 12, wherein the number of extensions ranges from 10 to 60, preferably from 20 to 40.

17. A cutting attachment as claimed in claim 12 linked to the chassis via a suspension system.

18. A cutting attachment as claimed in claim 12, wherein the ends of the extensions are slightly upwardly curved.

19. A mower having a cutting attachment as claimed in claim 12.

20. A mower as claimed in claim 19 characterized in that it is a robotic lawnmower.

21. A mower as claimed in claim 20 characterized in that it is suitable for mowing golf courses, more particularly practice courses.

REMARKS

Claims 1 through 11 were in the application as originally filed. Claims 1 through 11 are being cancelled. New claims 12 through 21 are being introduced.

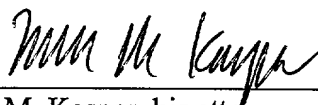
The present preliminary amendment is submitted in order to improve claim language and to eliminate multiple dependencies between claims.

Should be there any multiple dependent claims remaining, such remaining multiple dependent claims are to be deemed as treated as canceled by the applicant.

Entry of the above-recited corrections prior to calculation of the fee is respectfully requested.

Respectfully submitted,

André Colens

By: 

Horst M. Kasper, his attorney
13 Forest Drive, Warren, N.J. 07059
Tel.: (908)526-1717; Reg. No. 28559
Attorney's Docket No.: COL207

*%PAMEND(COL207A1(December 4, 2001(tm

10/009327

Inventor(s): André Colens

Title: IMPROVEMENTS TO A CUTTING ATTACHMENT.

Horst M. Kasper, his attorney
13 Forest Drive, Warren, NJ 07059
Tel. (908) 757-2839; Reg. No. 28559
Attorney's Docket No.: COL207

**ENGLISH LANGUAGE TRANSLATION
OF THE INTERNATIONAL
PCT APPLICATION AS FILED**

PCT Application no: PCT/BE00/00059
Filing Date: 3 June 2000

10/009327

3/PRTS
1

JC07 Rec'd PCT/PTO 04 DEC 2001
10/009327

Improvements to a cutting attachment.

This invention concerns an improvement to a cutting attachment, more particularly to a cutting attachment for a robotic lawn mower.

5 Robotic lawn mowers are particularly suitable for the care of large lawn surfaces, for instance those of golf courses.

10 Care of golf "practice courses", where players do their training and practice their "drive", is not easily taken by conventional means. In fact, practices are covered with a number of balls thrown by players and all balls have to be picked up to allow mowing, to prevent both balls from being damaged and mowers from being jammed. Further, players have to stop any practice when lawns are mowed, to prevent any injury to
15 the personnel, and this considerably limits the use of the practice course.

20 Patent application no. PCT/BE96/00012 discloses a cutter disk having retractable blades, protected on its bottom face by another, substantially parallel, freely rotating disk. This cutter disk may be used with robotic lawn mowers such as those described in application no. PCT/BE98/00038, the motor-cutter disk

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assembly being mounted in a flexible manner with respect to the chassis, so that it can follow ground irregularities.

Nevertheless, this system is not suitable to mow a
5 golf practice course, since it would itself cause
damages to balls. In fact, retractable blades can come
in contact with balls. Tests have been done by varying
the cutting height, but balls remain a little suspended
over the grass, as a function of the height and density
10 of the lawn. As a result, even when mowing at a height
above the diameter of balls, the latter are damaged.

Therefore, there exists a definite need to develop
a cutting attachment for mowing golf courses in the
presence of golf balls, which is particularly adapted
15 to automatic mowing of practice courses with no human
intervention, and possibly even allows players to
continue their practice.

To this end, this invention suggests an
improvement to a robotic lawn mower, e.g. the one
20 described in patent application no. PCT/BE98/00038,
consisting of a cutting attachment which allows mowing
in the presence of hard, small-sized objects, as
compared to the cutting attachment, more particularly
in the presence of golf balls, without damaging them.

25 According to the invention, the freely rotating
disk or plate proposed in the above application is
provided with extensions, or "prongs", which extend
radially from its periphery so that balls or other
equivalent objects may be maintained out of the reach
30 of the retractable blades, while allowing the latter to
reach and cut the grass like in prior art. The system

for suspending the cutting attachments allows the latter to be lifted. When the robotic lawn mower passes, the balls beneath the freely rotating disk are not touched by the blades. Friction is also reduced as compared to the fixed disk application, since the forward movement of the machine is coupled to the rotation of the disk in contact with the ball.

The other advantages provided by the presence of the disk as described in patent application no. PCT/BE96/00012 are maintained, particularly the self-cleaning and jam-preventing properties.

To this end, it shall be noted that the addition of peripheral prongs to a not freely rotating disk involves a specific undesirable obstruction before the disk. This obstruction is caused by the collection of grass blades of variable length by the prongs as the machine advances. Thanks to the free rotation proposed according to one of the variants of the invention, the forwardly directed prongs are directed backwards after a half-turn, and the friction with the lawn grass causes said grass to be released and the pronged disk to be cleaned.

This change to the disk as compared to prior art also increases cutting system safety. When in contact with a living being or an object to be protected, the modified disk will prevent or strongly reduce any direct contact with the blades. Therefore, the device according to the invention might also be advantageously used in non robotic cutting devices (bush-cutters, mowers).

Hence, this invention proposes a cutting

attachment for a mowing machine, particularly for a lawn mower, comprising a motor whereof the driving shaft is linked to a cutter disk perpendicular to said shaft and provided at its periphery with at least one blade, and a bottom plate substantially parallel to, and located beneath the cutter disk, characterized in that the bottom plate periphery has substantially coplanar extensions or prongs, extending radially beyond the zone reachable by the blades.

The bottom plate or disk is substantially circular and has a diameter, excluding the extensions, which is substantially equal to or smaller than the one of the cutter disk. By way of example, in the case of a robotic lawn mower, the cutter disk may have a smaller diameter ("excluding the prongs") of 22 cm and an "outside" diameter of 29 cm.

The bottom plate is mounted freely on the cutter disk pin via a roller bearing, e.g. a ball bearing, or the like.

Extensions are provided in the form of prongs having a rounded profile (hollows and tips). The distance between two tips or ends of adjacent extensions ranges, for instance, from 2 cm to 5 cm. The number of extensions per bottom plate preferably ranges from 10 to 60, more preferably from 20 to 40.

The cutting attachment is preferably linked to the chassis via a suspension system.

The cutting attachment will be preferably suitable for a robotic lawn mower, particularly for mowing golf courses, more particularly for mowing practice courses.

The invention will be understood more clearly

from the following description, with reference to one embodiment, and particularly to the drawings annexed by way of non-limiting examples.

Fig. 1 is a bottom view of the plate of a cutting attachment according to the invention.

Fig. 2 is a sectional side view of a cutting attachment mounted on a member of the chassis.

Figs. 3a through 3c show the operation of the cutting attachment in the presence of a ball according to prior art (Fig. 3a) and according to the invention (Figs. 3b-c).

In Fig. 1 the bottom circular plate 3, freely rotating about the cutting axis 6, is recognizable. The cutter disk 2 is situated above the plate 3, and is driven by the motor, parallel to the plate. The cutter disk has three blades 1 at its periphery, which extend radially and can pivot freely about an axis of rotation 4 and retract thereafter beneath the cutter disk under the effect of an excessive resistance. The bottom plate 3 (freely rotating protective disk) is provided with regular, coplanar extensions 33 at its periphery in the form of rounded prongs extending beyond the zone that the extracted blades can reach by the centrifugal force due to the rotation of the cutter disk. The distance between two radial ends of the extensions is smaller than the size of the objects, in this case of golf balls. Balls are kept out of the reach of the free blades between two adjacent extensions. When the grass is cut balls are not touched by the blades.

As the robotic lawn mower advances, the cutter disk will pass over the balls, partly by free rotation

thereof, partly by friction.

According to a variant, which is currently less preferred, the ends of the extensions may be upwardly curved.

5 Fig. 2 shows more particularly a cutting attachment which is mounted in a well-known suspended arrangement (suspension rod 7, spring 17) on a member 8 of the chassis. The numeral 5 denotes the location of the ball bearing allowing free rotation of the protective plate 3, all other numerals being equally
10 provided in Fig. 1. It shall be noted that the extensions 33 of the plate 3 extend radially slightly beyond the extracted blades 1.

15 Figs. 3a-b show the contact between the cutting attachment and a spherical object, e.g. a golf ball. In Fig. 3a, the cutting attachment is a prior art cutting attachment. As the lawn mower advances, the ball 9 is damaged in 10 by the rotating blades 1, before passing under the "floating" cutting attachment, totally in
20 friction, particularly under the freely rotating plate 3.

25 Figs. 3b and 3c show the contact between the cutting attachment of the invention and a golf ball. The extensions 33 of the plate 3 prevent the blades from contacting the ball, which will advantageously pass beneath the freely rotating plate, while the cutting attachment is lifted. At the same time, the ball itself will generally sink to a certain extent into the grass, and will pass beneath the plate with a
30 minimized friction (Fig. 3c).

CLAIMS.

1. A cutting attachment for a mowing machine,
particularly for a lawn mower, comprising a motor
5 whereof the driving shaft (6) is linked to a cutter
disk (2) perpendicular to said shaft and provided at
its periphery with at least one blade (1), and a bottom
plate (3) substantially parallel to, and located
beneath the cutter disk (2), characterized in that the
10 periphery of the bottom plate (3) has substantially
coplanar extensions (33), extending radially beyond the
zone reachable by the blades (1).

2. A cutting attachment as claimed in claim 1,
wherein the circular plate (3) has a size, excluding
15 the extensions (33), which is substantially equal to or
smaller than the size of the cutter disk (2) excluding
the blades (1).

3. A cutting attachment as claimed in any
preceding claim, wherein the bottom plate (3) is
20 mounted freely on the pin (6) of the cutter disk (2)
via a roller bearing or the like.

4. A cutting attachment as claimed in any
preceding claim, wherein the extensions (33) are
provided in the form of prongs having a rounded profile
25 (hollows and tips).

5. A cutting attachment as claimed in any
preceding claim, wherein the distance between two tips
or ends of adjacent extensions (33) ranges from 2 cm to
5 cm.

30 6. A cutting attachment as claimed in any
preceding claim, wherein the number of extensions

ranges from 10 to 60, preferably from 20 to 40.

7. A cutting attachment as claimed in any preceding claims, linked to the chassis via a suspension system.

5 8. A cutting attachment as claimed in any
preceding claim, wherein the ends of the extensions 33
are slightly upwardly curved.

9. A mower having a cutting attachment as claimed in any preceding claim.

10 10. A mower as claimed in the preceding claim,
characterized in that it is a robotic mower.

11. A mower as claimed in any claim, characterized in that it is suitable for mowing golf courses, more particularly practice courses.

15

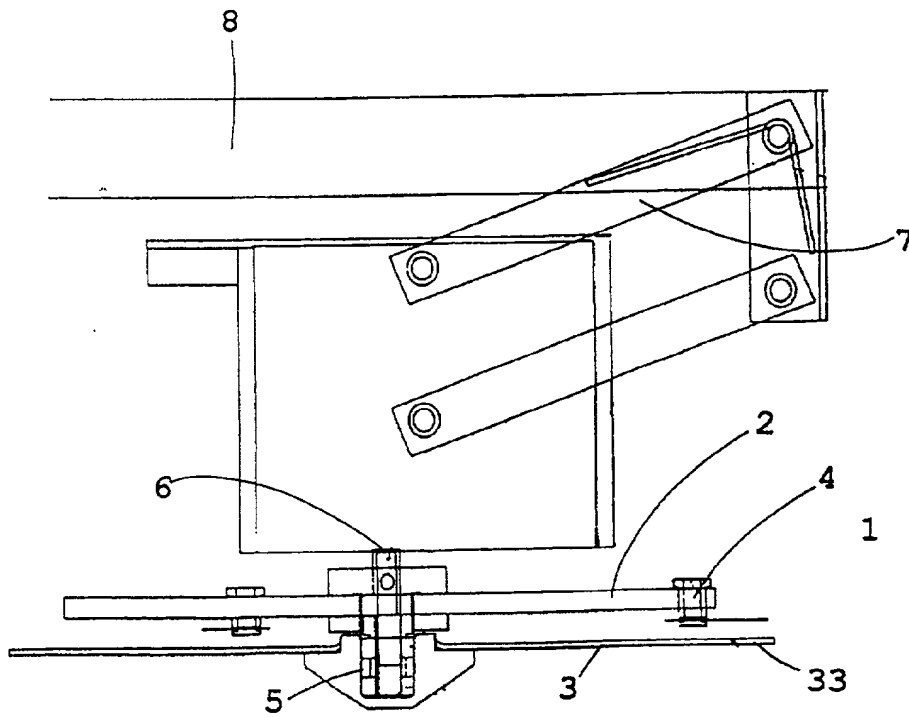


FIG. 2

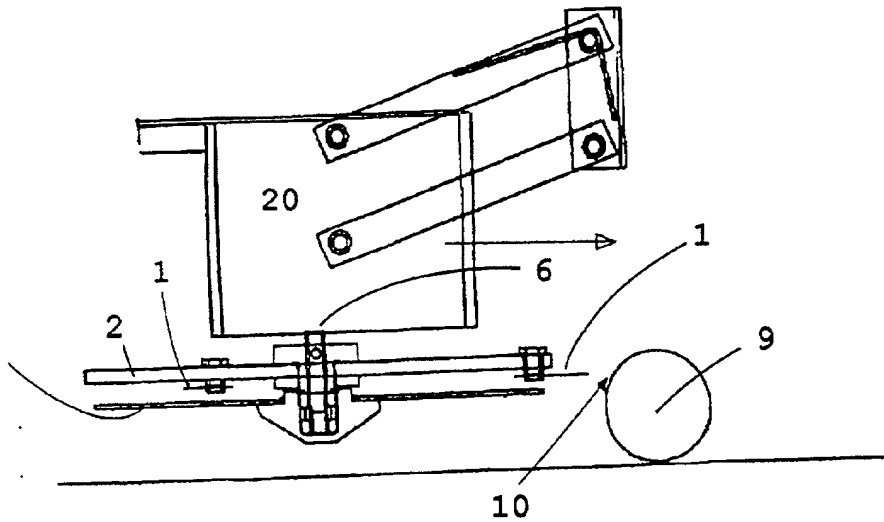


FIG. 3a

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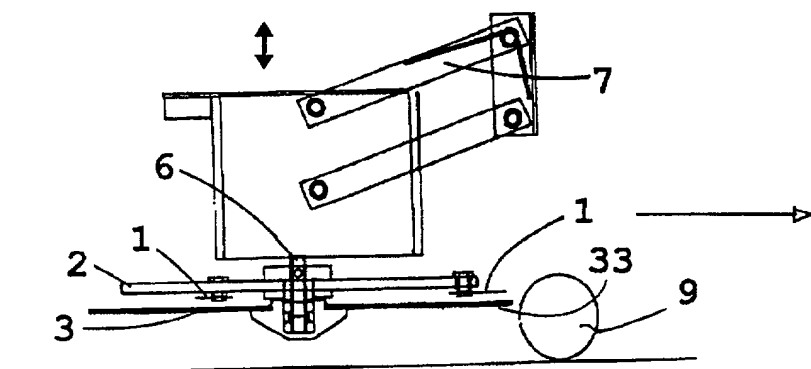


FIG. 3b

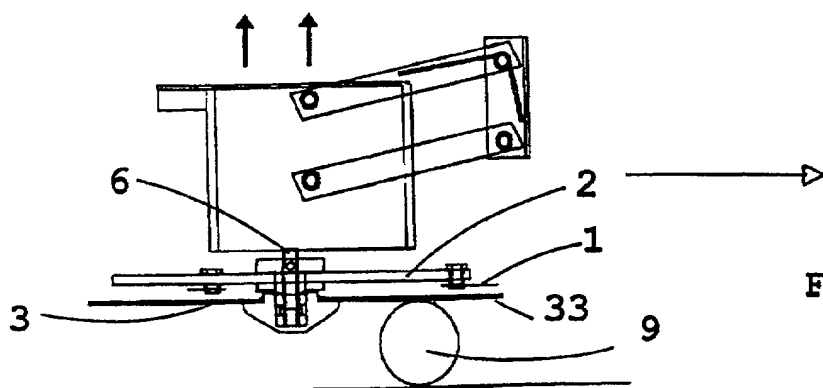


FIG. 3c

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PTO/BB/01 (10-05)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it carries a valid OMB control number.**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**☒ Declaration
Submitted
with Initial
Filing

OR

☐ Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number

COL 207

First Named Inventor

ANDRÉ COLENS

COMPLETE IF KNOWN

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Improvements to a cutting attachment

(Title of the invention)

the specification of which

☐ is attached hereto
OR☒ was filed on (MM/DD/YYYY)

06/03/00

as United States Application Number or PCT International

Application Number **PCT/BB2005/00059** and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 368(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
9900397	Belgium	06/04/99	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/025 attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/025 attached hereto.

(Page 1 of 2)

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

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DECLARATION — Utility or Design Patent Application

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NAME OF SOLE OR FIRST INVENTOR : COLENS Colens

NAME OF SOLE OR FIRST PARTNER
Given Name Andre Andre
(first and middle if any)

Family Name **COLENS** Colens

(first used violation of party)

20 November 2001

Signature

Residence: City

Stress

Belgium
Country

Citizenship **Belgian**

Shipping Address rue du Baillois 5

Mailing Address

Rixensart

2010

ZIP 1330

country Belgium

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name
Last and initials if any

Family Harvest of Burntwood

**Inventor's
Signature**

D

Residence: City

2000

Country

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CAUTION

☐ Additional inventors are being named on this _____ supplemental Additional Invention(s) sheet(s) PTO/SD-02A attached hereto.

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I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB198)

SIGNATURE of Applicant or Assignee of Record

Name

Andre Colens

Signature

Date

28 November 2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

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